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Local region: OR

342:59
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342:194

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	13816	(multiple or plurality) same radar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:37
L2	1029938	first same second same (signal or frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:37
L3	6947	L1 and L2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:37
L4	170010	carrier near6 (frequency or signal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:37
L5	1564	L3 and L4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:37
L6	107353	coherent or coherently	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:37
L7	11678	incoherent or incoherently	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:37
L8	1524213	combine or combining or integrate or integrating or integration	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:37

L9	8430	L8 same (L6 or L7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:37
L10	223	L5 and L9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:37
L11	14	L10 and @ad<="20031010" AND @PD>="20040902"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:40
L12	6167	((342/52) or (342/54) or (342/55) or (342/70) or (342/71) or (342/72) or (342/74) or (342/75) or (342/174) or (342/179) or (340/435) or (340/436) or (340/903) or (340/935) or (340/937) or (356/4.01) or (356/141.1) or (356/5.01) or (356/5.1) or (701/301)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/07/11 10:39
L13	2272	((342/59) or (342/89) or (342/90) or (342/97) or (342/118) or (342/126) or (342/135) or (342/145) or (342/189) or (342/195)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/07/11 10:39
L14	8014	12 or 13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:39
L15	454	L14 and @ad<="20031010" AND @PD>="20040902"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:41
L16	242	(342/59).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/07/11 10:40
L17	105	L1 and L16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:40

L18	111502	L6 or L7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:40
L19	30	L17 and L18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:41
L20	1	L19 and @ad<="20031010" AND @PD>="20040902"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:41
L21	10	("2604607" "3258766" "3275882" "3427611").PN. OR ("3789397").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/11 10:45

SEARCH NOTES FOR EAST, IEEE, INSPEC AND IP.COM

SERIAL NUMBER

10684081

EAST: search history attached

IEEE

Search terms: radar <and> (coherent <or> coherently <or> incoherent <or> incoherently) <and> (multiple <or> plurality)

1. **New techniques for radar coherent range ambiguity resolution**
Feng-ling Lin; Steiner, M.
Radar Conference, 2001. Proceedings of the 2001 IEEE
2001 Page(s):99 - 104
2. **Netted radar sensing**
Baker, C.J.; Hume, A.L.
Aerospace and Electronic Systems Magazine, IEEE
Volume 18, Issue 2, Feb 2003 Page(s): 3 - 6
3. **Numerical investigation of intense rainfall effects on coherent and incoherent slant-path propagation at K-band and above**
Marzano, F.S.; Roberti, L.
Antennas and Propagation, IEEE Transactions on
Volume 51, Issue 5, May 2003 Page(s): 965 - 977

INSPEC

Search terms: radar and (coherent or coherently or incoherent or incoherently) and (multiple or plurality)

Search strategy

No. Database Search term Info added
since Results

1 INZZ

radar AND (coherent OR
coherently OR incoherent OR
incoherently) AND (multiple
OR plurality)

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Saved: 11-Jul-2005, 16:26:34 CET

2

INSPEC - 1969 to date (INZZ)

Probability hypothesis density-based multitarget tracking with bistatic range and Doppler observations.

Author(s)

Tobias-M; Lanterman-A-D.

Source

IEE-Proceedings-Radar-Sonar-and-Navigation (UK), vol.152, no.3, p.195-205, 3 June 2005. ,

Published: IEE.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

Distributed CFAR detection of array signals from *multiple* sensors.

Author(s)

Yan-Jun; Guan-Jian; Peng-Yingning.

Source

Journal-of-Tsinghua-University (Science and Technology)(China), vol.44, no.7, p.950-3, July 2004. ,

Published: Tsinghua Univ. Press.

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1

IP.COM

Search terms: radar and (coherent or coherently or incoherent or incoherently)
and (multiple or plurality)

Result # 1 Relevance: ○○○○○○

Time frequency processor for radar imaging of moving targets

12-Sep-2000

IPCOM000001698D

English (United States)

Conventional radar uses the Fourier transform to generate a radar target image. Constraints on the use of Fourier methods requiring point scatterers to remain in their range cells and requiring Doppler frequency shifts for point scatterers to be stationary are impractical ...

Result # 2 Relevance: ○○○○○○

Anti-jamming system for tracking and surveillance radar

12-Sep-2000

IPCOM000001028D

English (United States)

A radar ECCM system for degrading the effect that a standoff noise jammer has on a radar receiving site that is tracking an incoming aerial target. The system effectively removes from the mainlobe of the beam emanating from the site the component of random noise contained in ...

Result # 3 Relevance: ○○○○○○

Wide bandwidth radar having improved signal to clutter response characteristics

12-Sep-2000

IPCOM000000205D

English (United States)

Improved signal to clutter response in a radar is achieved by transmitting broad bandwidth frequency modulated noise pulses. Utilization of millisecond pulse intervals enables the radar video processor to average the independent samples present in each echo pulse so that ...

Result # 4 Relevance: ○○○○○○

Radardoppler processor using a fast orthogonalization network

12-Sep-2000

IPCOM000000108D

English (United States)

A radar doppler processor, comprising M, $M=N-1$, tap delay lines; N digital multipliers; a N-point fast fourier transform network; and a fast orthogonalizing network to orthogonalize each subband output signal to eliminate cross-correlations between all output signals.

Result # 5 Relevance: ○○○○○○

Method for high resolution radar imagery and accurate dimensional measurements

12-Sep-2000 IPCOM000001175D English (United States)

This invention involves a method of processing radar returns to form two-dimensional images of targets such as ground vehicles, aircraft, ships, and so forth. Resolution in one dimension is provided by range resolution, and resolution in the other dimension is provided by ...

Result # 6 Relevance: 

Ranging method and system, especially for radar signal processing for ambiguous range radars

12-Sep-2000 IPCOM000000763D English (United States)

A method and apparatus exploiting the discovery that the cross-correlation of rows of Frank or P4 matrices of a given spacing sum to zero. In a ranging system, such as a radar, pulses are coded according to the rows of a Frank or P4 matrix, transmitted sequentially and each ...

Result # 7 Relevance: 

Polarization isolation and zero time-sidelobe pulse compression through group-complementary coding

12-Sep-2000 IPCOM000000480D English (United States)

This concept makes use of the orthogonal nature of Group-Complementary Codes to achieve improved polarization isolation between the vertical and horizontal radiation in a circularly polarized or dual linearly polarized antenna system while achieving zero time-sidelobe ...

Result # 8 Relevance: 

Discrete complex correlation device for obtaining subpixel accuracy

12-Sep-2000 IPCOM000000737D English (United States)

This invention is directed to an image processing arrangement used to estimate image displacement relative to a reference frame. It comprises a discrete complex correlator, an associated interpolator, and a displacement estimator. The unique nature of the system is its ...

Result # 9 Relevance: 

Bistable photoconductive switches particularly suited for frequency-agile, radio-frequency sources

12-Sep-2000 IPCOM000001695D English (United States)

A photoconductive switching device is disclosed that has an enhanced speed of response so that its closed (low) and open (high) resistive states are obtained in response to optical illumination in the less than nanosecond regime. The enhanced speed of response is achieved by ...

Result # 10 Relevance: 

Bistable photoconductive switches particularly suited for frequency-agile, radio-frequency sources

14-Sep-2000 IPCOM000004311D English (United States)

A photoconductive switching device is disclosed that has an enhanced speed of response so that its closed (low) and open (high) resistive states are obtained in response to optical illumination in the less than nanosecond regime. The enhanced speed of response is achieved by ...

Result # 11 Relevance: 

Gram-Schmidt space-time adaptive filter using transverse orthonormal ladder filters

12-Sep-2000 IPCOM000001000D English (United States)

A space-time adaptive filter system is provided for eliminating unwanted signals from a radar or communication system. The filter system receives a main channel and several auxiliary channels wherein the target signal is not correlated between the various signal channels. ...

Result # 12 Relevance: 

Laser Doppler Radar

1962-08-01 IPCOM000097282D English (United States)

A coherent beam of light 10 generated by laser 11 is directed toward a target, the velocity of which it is desired to determine. The beam passes through half silvered mirror 12 where it is split into a reflected

beam 13 and a transmitted interrogation beam 14. On ...

Result # 13 Relevance: 

Optimum multiple target detection and resolution

12-Sep-2000

IPCOM000000372D

English (United States)

A method or technique of resolving multiple energy sources from signals obtained by a spatial array of sensors in which portions of two prior art techniques are combined to yield an improved hybrid technique. The method involves sampling and digitizing the output of a sensor ...

Result # 14 Relevance: 

Fiber optic RF signal channelizer

12-Sep-2000

IPCOM000001054D

English (United States)

An array of fiber optic RF filters each responsive to a predetermined wavngth forms a channelizer for a wide bandwidth receiver used in a dense signal environment having complex modulations. Each fiber optic RF filter comprises a resonant cavity formed from a section of ...

Result # 15 Relevance: 

Converter

12-Sep-2000

IPCOM000000334D

English (United States)

An electrical power converter comprising two current-fed square wave choppers the outputs of which are combined and rectified to yield a variable and regulated output voltage. The phase relationship of the choppers are varied to achieve output voltage control and regulation. ...